MONTREAL COGNITIVE ASSESSMENT (MoCA) Name: _____

Date of Birth: _____ Sex: _____

Date: _____ Clinician: _____ Education: _____ **Total Score**_____

(say instructions in bold. ask patients whether they have hearing or vision problems)

	POINTS
1) Trail Making (on page 4) **Please draw a line, going from a number to a letter in ascending order. Begin here** [point to (1)] **and draw a line from 1 then to A then to 2 and so on. End here** [point to (E)]**.**	___/ 1
2) Cube (on page 4) Point to the cube and say: **Copy this drawing as accurately as you can, in the space beside it.**	___/ 1
3) Clock Drawing (on page 5) Say: **Draw a clock. Put in all the numbers and set the time to 10 after 11.**	___/ 3 (contour, numbers, hands)
4) Naming (on page 6) **Tell me the name of this animal.** Picture 1 response _____ Picture 2 response _____ Picture 3 response _____	___/ 3
5) Memory **This is a memory test. I am going to read a list of words. Listen carefully and, when I am through, tell me as many words as you can remember. It doesn't matter in what order you say them.** **I am going to read the same list for a second time. Try to remember and tell me as many words as you can, including words you said the first time.** **Now please remember those words, because at the end of the test I'm going to ask you to say them again.**	No Points

	Pt response
Face	
Velvet	
Church	
Daisy	
Red	

	Pt response
Face	
Velvet	
Church	
Daisy	
Red	

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6) Attention **I am going to say some numbers and when I am through, repeat them to me exactly as I say them.** (say the numbers at approximately 1 per second) **2 1 8 5 4** Patient's response _____ **Now I am going to say some more numbers, but when I am through you should repeat them to me in the <u>backwards</u> order. 7 4 2** Patient's response _____	___/ 2
I am going to read a list of letters. Every time I say the letter A, tap your hand once. If I say a different letter, do not tap your hand. (say the numbers at approximately 1 per second) **F B A C M N A A J K L B A F A K D E A A A J A M O F A A B**	___/ 1 (if less than 2 errors)
Now, could you please subtract 7 from 100 and continue to subtract 7 from your answer until I tell you to stop. (give instructions twice if necessary; stop after five responses) Patient's response _____ 93 - 86 - 79 - 72 - 65 4 or 5 correct subtractions = 3 pts. 2 or 3 correct = 2 pts. 1 correct = 1 pt. 0 correct = 0 pts	___/ 3
7) Sentence Repetition (put check mark beside words correctly repeated; write in any intrusions or additions to the sentences) **I am going to read you a sentence. Repeat it after me, exactly as I say it** [pause]**:** **I only know that John is the one to help today.** **Now I am going to read you another sentence. Repeat it after me, exactly as I say it** [pause]: **The cat always hid under the couch when dogs were in the room.**	___/ 2 (repetition must be exact)
8) Verbal Fluency **Now I would like you to say as many words as possible that start with the letter F in one minute. You can say any kind of word you want, except for names of people, names of places, or numbers. Also, don't say the same word with different endings. For example, if you say love, you should not also say lover and loving. Are you ready?** (pause) **Now, tell me as many words as you can think of that begin with the letter F.** [time for 60 sec]. **Stop.** Patient's response(s):	___/ 1 (one point if 11 words or more)

9) Abstraction

Now I'm going to say two words and I would like you to tell me how they are alike. How are an orange and a banana alike?

Patient's response _____

(if they answer in a concrete manner, then say <u>one time</u> **Tell me another way in which those items are alike**. If they don't give the appropriate answer (fruit), then say **yes, and they are both also fruit**. Do not give additional instructions or clarification).

Now, tell me how a train and a bicycle are alike

Patient's response: _____
(point for transportation, means of travelling, you take trips in them, etc…not for both having wheels, etc)

Now tell me how a ruler and a watch are alike
Patient's response: _____
(point for measuring instrument, used to measure, etc…not for both having numbers, etc)

___/ 2

10) Delayed Recall

I read some words to you earlier, which I asked you to remember. Tell me as many of those words as you can remember. (Check first box if they got the word correct with no prompts. If they did not get the word, provide the semantic cue and write their response to the right of the cue; if they get it wrong, give the multiple choice options and circle the word they picked).

	check box if initially correct	Semantic Cue (if not recalled using semantic cue, provide the multiple choice options)	Multiple Choice **which of the following words do you think it was?** (circle)
Face		**part of the body**	**nose, face, hand**
Velvet		**type of fabric**	**denim, cotton, velvet**
Church		**type of building**	**church, school, hospital**
Daisy		**type of flower**	**rose, daisy, tulip**
Red		**a colour**	**red, blue, green**

___/ 5

(points for uncued recall only)

11) Orientation

Tell me the date today.

Patient response_____

If the subject does not give a complete answer, then prompt accordingly by saying: **Tell me the [<u>year</u>, <u>month</u>, <u>exact date</u>, and <u>day of the week</u>].**

Patient response _____

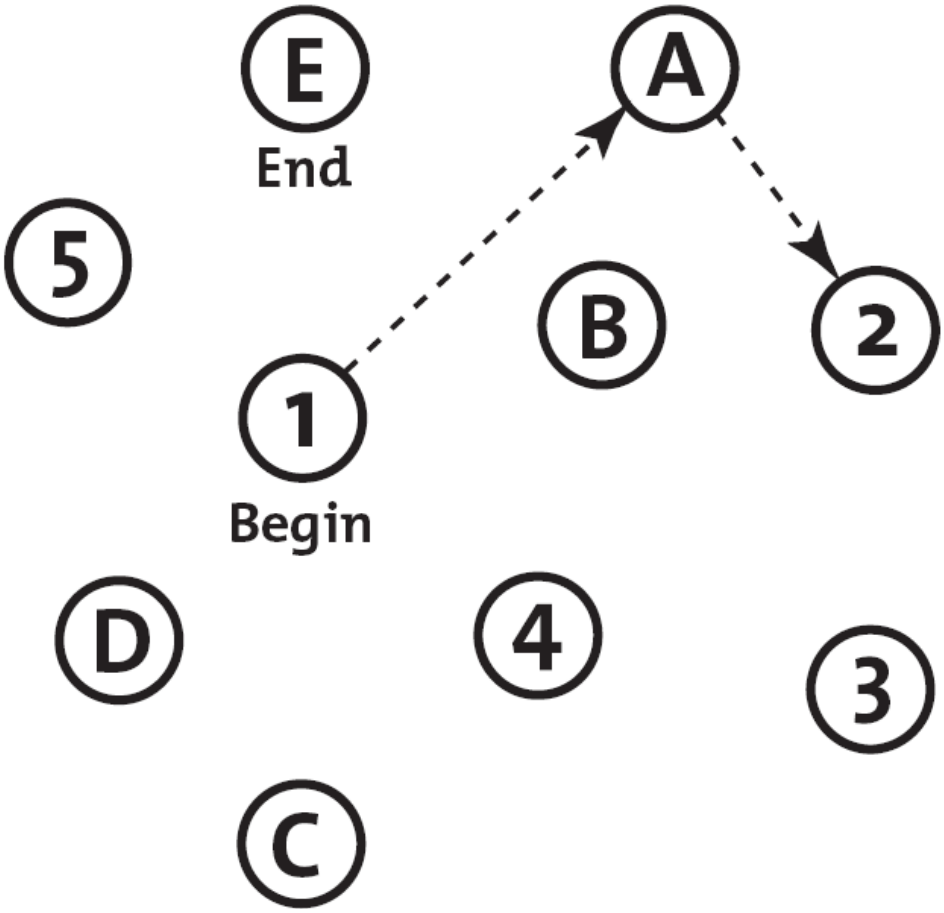
Then say: **Now, tell me the <u>name of this place</u>, and which <u>city</u> it is in.**

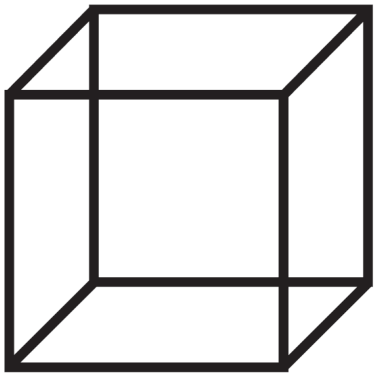
Patient Response _____

___/ 6

(one point for each underlined item)

Add up the points. For subjects with 12 years of education or less whose total score is less than 30, add one additional point to the total score.

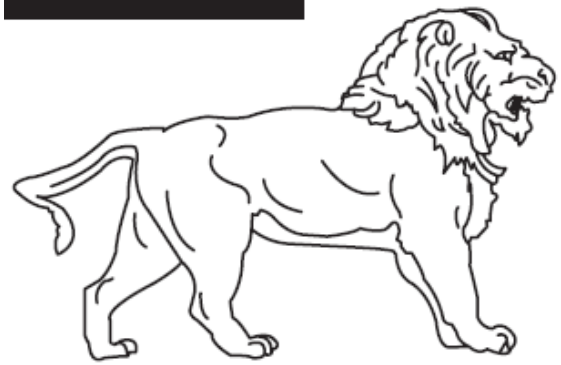


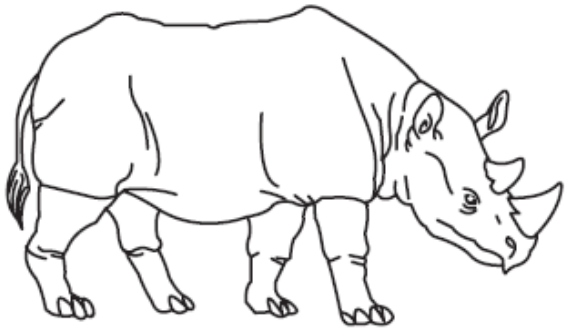


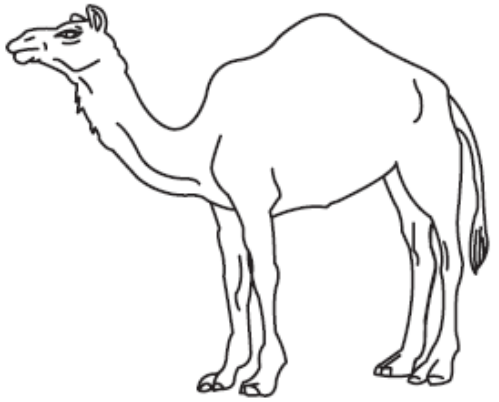
Copy cube

Draw CLOCK (Ten past eleven)

NAMING







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