



## Mr. T's QUICK MATH QUIZ

### Grade 9

Overview: This Math quiz is designed to cover a broad of skills needed in Grade 9 Math as described by the Ontario Curriculum. Please send answers, questions and comments to Mr. T's Quick Math Quiz by email: [aardvarklearning@gmail.com](mailto:aardvarklearning@gmail.com), we will respond within 24 hours.

#### Quick Quiz

1.) 5 feet equals how many inches? 12 inches = 1 foot

- A)  $\frac{7}{12}$  inches
- B) 19 inches
- C) 60 inches
- D) 84 inches

2.) What is the equation for the circumference of a circle that has a radius of 10 meters?

- A)  $3.14 \times 2 \times 5$
- B)  $3.14 \times 2 \times 10$
- C)  $3.14 + 5$
- D)  $5 \times 2$

3.) Find the shortest distance from the point (1,3) to the line  $y = x - 4$ .

- a) 2.4
- b) 4
- c) 4.5
- d) 4.2-

4.) DDEF has vertices D (-2,4) E(0,-2) and F(6,2). What is the equation of line DG, the median from D to EF?

- a)  $4x + 5y = 12$ -
- b)  $5x + 4y = 12$
- c)  $4x - y = 5$
- d)  $4x - 5y = 12$

5.) The cost to rent a piece of equipment is \$19, plus \$4.27 per hour. Calculate the cost of renting the equipment for 3 h.

- a. \$40.27
- b. \$70.89
- c. \$31.81 -
- d. \$232.89

6.) Find solutions to the inequality below? Select all that apply.

$$p \geq 8$$

- a.)  $p=0$
- b.)  $p=8$ -
- c.)  $p=20$ -
- d.)  $p=-8$

7.) Simplify the expression below. Display in positive exponents:

$$7p/7p^4$$

a.)  $1/p$

b.)  $p^{-2}$

c.)  $1/p^3$

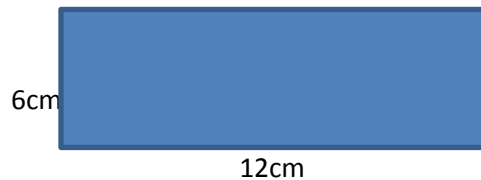
d.) 1

8.) Calculate the expression:

$$15(1+0.5x) = ?$$

9.) Petra is knitting a scarf with her grandmother. Yesterday, her grandmother used  $4/5$  of a skein of wool and Petra used  $2/5$  of a skein. How much more wool did Jackie's grandmother use than Petra?

10.) What is the perimeter of rectangle?



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