

Quiz 3 Review - PEMDAS & formulas

Date _____

Evaluate each expression.

1) $6 - 4 \div (5 - 1) - 3$

2) $(6 + 6 - (3 - 2)) \times 5$

3) $(6 - 4) \times 6 + 1 - 1$

4) $(11 - -1) \div (-2 + 2^2)$

5) $2 + 4 - -1 - 2 \times -4$

6) $(5 \times 3) \div (-1 - -6) \times -1$

Evaluate each using the values given.

7) $(r + 2)(r + r + p)$; use $p = 2$, and $r = 2$

8) $2 + h - j + h - h$; use $h = 6$, and $j = 3$

9) $p(n + 4 - n^2)$; use $n = 1$, and $p = 6$

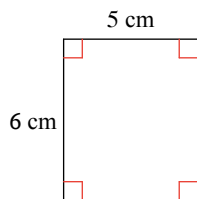
10) $(5 + y^2)(z + 1)$; use $y = 3$, and $z = 1$

11) $-1 + y(z + 3 \div 3)$; use $y = 3$, and $z = -4$

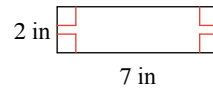
12) $z + 4^2 - (1 + x)$; use $x = -2$, and $z = 3$

Find the area of each rectangle.

13)

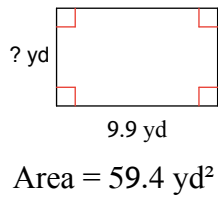


14)



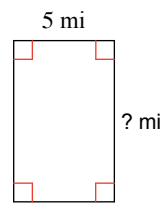
Find the missing measurement. Round your answer to the nearest tenth.

15)



Area = 59.4 yd²

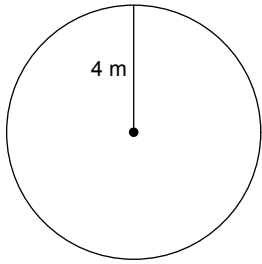
16)



Area = 40 mi²

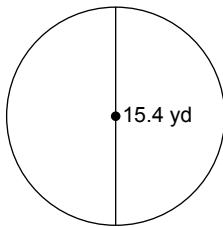
Find the diameter of the circle. Round your answer to the nearest tenth.

17)



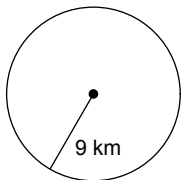
Find the circumference of the circle. Use 3.14 for the value of π . Round your answer to the nearest tenth.

18)



Find the area of the circle. Use 3.14 for the value of π . Round your answer to the nearest tenth.

19)



Use the distance formula to solve.

- 20) A car drove for 8 hours at an average speed of 63 mph. How far did it travel?

Convert the temperatures.

21) 68°F

22) 9°F

23) 27°C

24) 76°C

Use simple interest to find the ending balance.

25) \$240 at 10% for 3 years

26) \$3,800 at 16% for 3 years

Find the total value of the investment after the time given.

27) \$28,000 at 11% compounded quarterly for 7 years

28) \$1,310 at 10% compounded semiannually for 2 years