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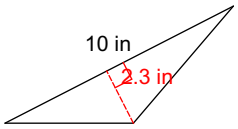
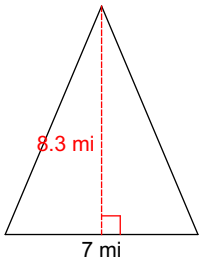
Test 2 - MID TERM Review

Find the area of each.

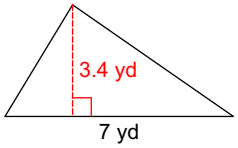
1)



2)



3)



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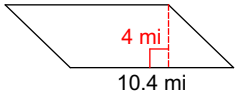
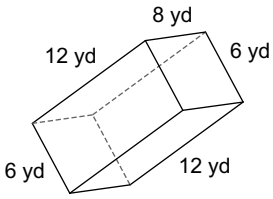


5) Two lines located in the same plane that intersect at right angles are called _____

A) parallel
B) skew
C) none of these
D) perpendicular
E) intersecting

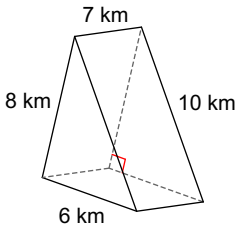
Find the surface area of each figure. Round to the nearest tenth.

6)



A) 216 yd²
B) 208.2 yd²
C) 432 yd²
D) 514 yd²
E) 257 yd²

7)



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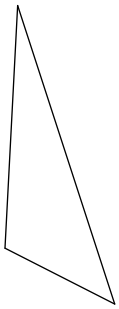
Classify each triangle by its angles and sides.

8)



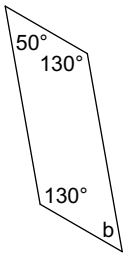
A) obtuse isosceles
B) acute scalene
C) right scalene
D) right isosceles
E) obtuse scalene

Find the measure of angle b.

9)

A) 22° B) 15°
C) 8° D) 25°
E) 17°

10)



A) 41° B) 46°
C) 34° D) 55°
E) 50°

Solve each proportion.

11) $\frac{9.7}{8.8} = \frac{n}{5.82}$

A) $\{5\}$ B) $\{1.5\}$
C) $\{7\}$ D) $\{6.41\}$
E) $\{8.9\}$

12) $\frac{5.1}{8.23} = \frac{8}{n}$

A) $\{5\}$ B) $\{12.9\}$
C) $\{7.4\}$ D) $\{6.5\}$
E) $\{8.1\}$

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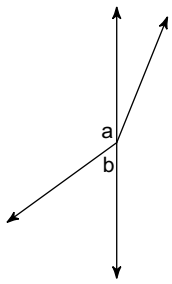
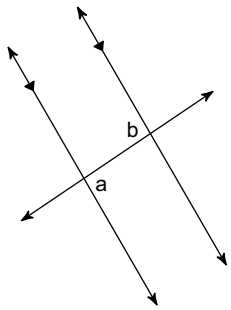
Name the relationship: complementary, supplementary, vertical, adjacent, alternate interior, corresponding, or alternate exterior.

13)

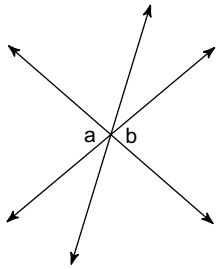


14)



A) adjacent
B) alternate interior
C) vertical
D) corresponding
E) alternate exterior

15)



Write each as a percent. Round to the nearest tenth of a percent.

16) 0.29

A) 39% B) 29%
C) 89% D) 0.3%
E) 2.9%

Solve each problem.

17) What is 160% of 124.2?

A) 19872 B) 77.6
C) 25.5 D) 198.7
E) 770

18) 15% of 70 is what?

A) 1050 B) 66.7
C) 466.7 D) 4704
E) 10.5

19) What percent of 81 is 45?

A) 1.02% B) 180%
C) 55.6% D) 101.9%
E) 1.8%

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Simplify each expression.

20) $9 + 9r - 6 - 6r$

21) $1 + 3p - (4p - 12)$

22) You had \$21 to spend on two pens. After buying them you had \$15. How much did each pen cost?

A) \$10.50 B) \$3
C) \$5 D) \$7.50
E) \$4

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Answers to Test 2 - MID TERM Review (ID: 1)

1) 11.5 in^2
2) 29.05 mi^2
3) 11.9 yd^2
4) 41.6 mi^2
5) A
6) C
7) 216 km^2
8) E
9) D
10) E
11) D
12) B
13) supplementary
14) B
15) vertical
16) B
17) D
18) E
19) C
20) $3 + 3r$
21) $13 - p$
22) B

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