

Test Review Unit 1

Find the midpoint of the line segment with the given endpoints.

1) $(-3, 10), (-3, -8)$

2) $(-3, -9), (-4, 1)$

3) $(10, -3), (9, -5)$

Find the other endpoint of the line segment with the given endpoint and midpoint.

4) Endpoint: $(10, 6)$, midpoint: $(-1, -5)$

5) Endpoint: $(6, -6)$, midpoint: $(8, -6)$

6) Endpoint: $(0, -9)$, midpoint: $(1, 2)$

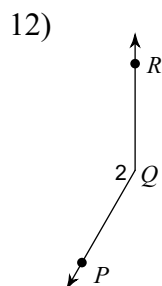
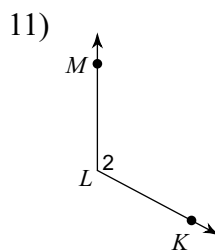
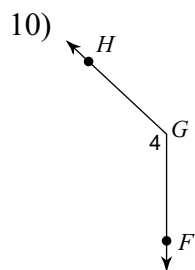
Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

7) $(-7, -4), (7, -8)$

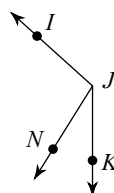
8) $(-4, -2), (-2, 1)$

9) $(-5, 7), (-2, 1)$

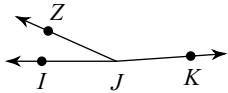
Name each angle in four ways.



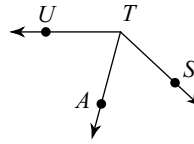
13) $m\angle KJN = 32^\circ$ and $m\angle NJI = 100^\circ$.
Find $m\angle KJI$.



14) Find $m\angle IJZ$ if $m\angle IJK = 176^\circ$
and $m\angle ZJK = 152^\circ$.

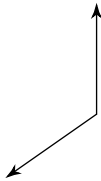


15) $m\angle STU = 137^\circ$ and $m\angle ATU = 75^\circ$.
Find $m\angle STA$.

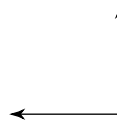


Classify each angle as acute, obtuse, right, or straight.

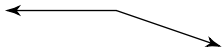
16)



17)

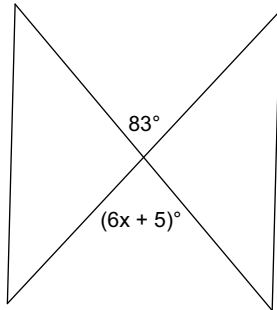


18)

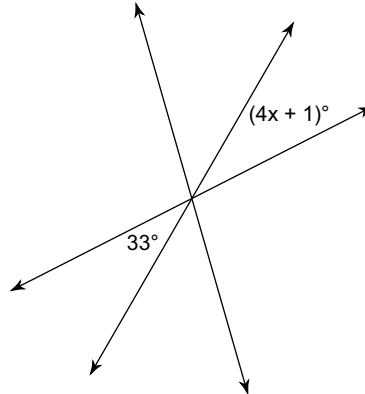


Find the value of x.

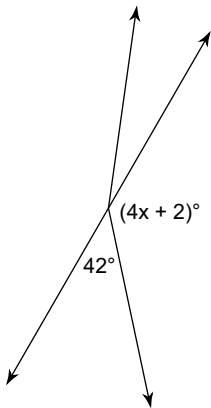
19)



20)

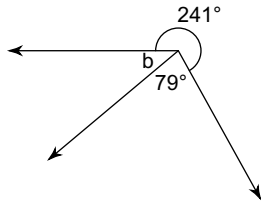


21)

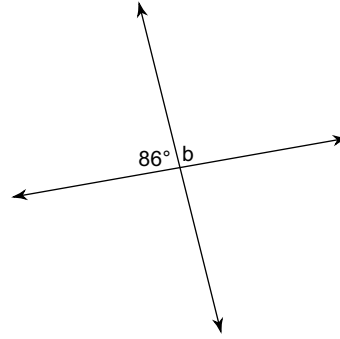


Find the measure of angle b.

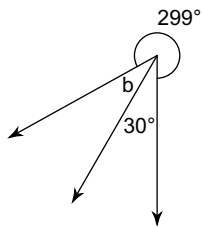
22)



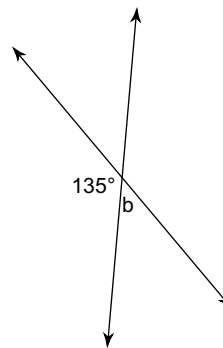
23)



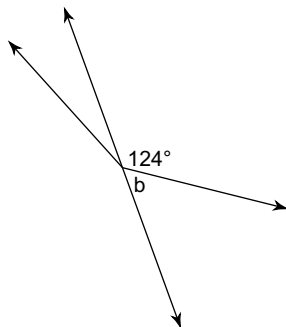
24)



25)



26)



27) M is the midpoint of EG. EM is $7x$ and MG is $8x-6$. What is the measure of EM?

28) List all the ways you can name a line.

29) Find the circumference and area of a circle with a radius of 3.2. Use the pie button on your calculator. Round to the nearest tenth.

30) Angles A & B are complementary Angle A is 4 times as big as Angle B. What are the measures of Angles A & B?

Answers to Test Review Unit 1 (ID: 1)

- 1) $(-3, 1)$ 2) $\left(-3\frac{1}{2}, -4\right)$ 3) $\left(9\frac{1}{2}, -4\right)$ 4) $(-12, -16)$
5) $(10, -6)$ 6) $(2, 13)$ 7) 14.6 8) 3.6
9) 6.7 10) $\angle G, \angle 4, \angle FGH, \angle HGF$ 11) $\angle L, \angle 2, \angle MLK, \angle KLM$
12) $\angle Q, \angle 2, \angle PQR, \angle RQP$ 13) 132° 14) 24°
15) 62° 16) obtuse 17) right 18) obtuse
19) 13 20) 8 21) 34 22) 40°
23) 94° 24) 31° 25) 45° 26) 56°
27) 42 28) Any two points on the line or Small script letter
29) 20.1 and 32.2 un squared 30) 18 & 72