#Jenny

Finally I get this ebook, thanks for all these I can get now!

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Cool! I'am really happy

#Markus Jensen

I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

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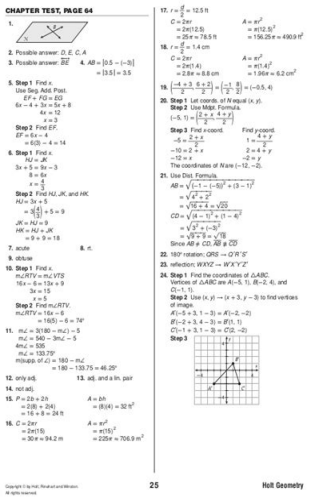
My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler

so many fake sites. this is the first one which worked! Many thanks



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1.

2. Possible answer: *D*, *E*, *C*, *A*

3. Possible answer: $\overline{BE}$

4. $AB = |0.5 - (-3)| = |3.5| = 3.5$

5. **Step 1** Find *x*.
Use Seg. Add. Post.
$EF + FG = EG$
$6x - 4 + 3x = 5x + 8$
$4x = 12$
$x = 3$
Step 2 Find *EF*.
$EF = 6x - 4$
$= 6(3) - 4 = 14$

6. **Step 1** Find *x*.
$HJ = JK$
$3x + 5 = 5x - 3$
$8 = 6x$
$x = \frac{4}{3}$
Step 2 Find *HJ*, *JK*, and *HK*.
$HJ = 3x + 5$
$= 3\left(\frac{4}{3}\right) + 5 = 9$
$JK = HJ = 9$
$HK = HJ + JK$
$= 9 + 9 = 18$

7. acute

8. rt.

9. obtuse

10. **Step 1** Find *x*.
$m\angle RTV + m\angle VTS$
$16x - 5 = 13x + 9$
$3x = 15$
$x = 5$
Step 2 Find $m\angle RTV$.
$m\angle RTV = 16x - 6$
$= 16(5) - 6 = 74°$

11. $m\angle = 3(180 - m\angle) - 5$
$m\angle = 540 - 3m\angle - 5$
$4m\angle = 535$
$m\angle = 133.75°$
Midsegs. of $\triangle$ = $180 - m\angle$
$= 180 - 133.75 = 46.25°$

12. only adj.

13. adj. and a lin. pair

14. not adj.

15. $P = 2b + 2h$
$= 2(8) + 2(4)$
$= 16 + 8 = 24$ ft
$A = bh$
$= (8)(4) = 32$ ft^2

16. $C = 2\pi r$
$= 2\pi(15)$
$= 30\pi \approx 94.2$ m
$A = \pi r^2$
$= \pi(15)^2$
$= 225\pi \approx 706.9$ m^2

17. $r = \frac{d}{2} = 12.5$ ft
$C = 2\pi r$
$= 2\pi(12.5)$
$= 25\pi \approx 78.5$ ft
$A = \pi r^2$
$= \pi(12.5)^2$
$= 156.25\pi \approx 490.9$ ft^2

18. $r = \frac{d}{2} = 1.4$ cm
$C = 2\pi r$
$= 2\pi(1.4)$
$= 2.8\pi \approx 8.8$ cm
$A = \pi r^2$
$= \pi(1.4)^2$
$= 1.96\pi \approx 6.2$ cm^2

19. $\left(\frac{-4+3}{2}, \frac{6+2}{2}\right) = \left(\frac{-1}{2}, \frac{8}{2}\right) = (-0.5, 4)$

20. **Step 1** Let coords. of *N* equal (x, y).
Step 2 Use Midpt. Formula.
$(-5, 1) = \left(\frac{2+x}{2}, \frac{4+y}{2}\right)$
Step 3 Find *x*-coord.
$-5 = \frac{2+x}{2}$
$-10 = 2 + x$
$-12 = x$
Find *y*-coord.
$1 = \frac{4+y}{2}$
$2 = 4 + y$
$-2 = y$
The coordinates of *N* are $(-12, -2)$.

21. Use Dist. Formula.
$AB = \sqrt{(-1-(-5))^2 + (3-1)^2}$
$= \sqrt{4^2 + 2^2}$
$= \sqrt{16+4} = \sqrt{20}$
$CD = \sqrt{(4-1)^2 + (1-4)^2}$
$= \sqrt{3^2 + (-3)^2}$
$= \sqrt{9+9} = \sqrt{18}$
Since $AB \neq CD$, $\overline{AB} \not\cong \overline{CD}$.

22. 180° rotation: $QRS \rightarrow Q'R'S'$

23. reflection: $WXYZ \rightarrow W'X'Y'Z'$

24. **Step 1** Find the coordinates of $\triangle ABC$.
Vertices of $\triangle ABC$ are $A(-5, 1)$, $B(-2, 4)$, and $C(-1, 1)$.
Step 2 Use $(x, y) \rightarrow (x + 3, y - 3)$ to find vertices of image.
$A'(-5 + 3, 1 - 3) = A'(-2, -2)$
$B'(-2 + 3, 4 - 3) = B'(1, 1)$
$C'(-1 + 3, 1 - 3) = C'(2, -2)$
Step 3

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