

1. slope of AB	2. slope of BC	3. slope of CD
4. slope of DE	5. slope of EF	6. slope of FG
7. slope of GH	8. slope of HA	9. length of AB
10. length of BC	11. length of CD	12. length of DE

13. length of EF	14. length of FG	15. length of GH
16. length of HA	17. Midpoint of AB	18. Midpoint of BC
19. Midpoint of CD	20. Midpoint of DE	21. Midpoint of EF
22. Midpoint of FG	23. Midpoint of GH	24. Midpoint of HA

25. slope of BF	26. slope of GB	27. two segments
28. two \square segments	29. two \square segments	30. slope of HC
31. Perimeter of polygon ABCDEFGH	32. length of GC	33. length of EA
34. equation of AE	35. equation of EF	36. equation of line \square to BC through $(-2, -3)$

$A (4, 9)$	$B (9, 6)$	$C (9, -6)$
$D (6, -11)$	$E (-2, -9)$	$F (-7, -6)$
$G (-7, 4)$	$H (-1, 8)$?

Additional types of questions that could be used.

? Find perimeter or area of polygons created by a combination of some of the points.

? Use points A and B to create a trapezoid.

? Use points E and C to create a rectangle.

? What type of line is BC?

? Any other combinations or work that relates to your current unit or review.

KEY

1) $m = -3/5$

2) $m = \text{undefined}$

3) $m = 5/3$

4) $m = -1/4$

5) $m = -3/5$

6) $m = \text{undefined}$

7) $m = 2/3$

8) $m = 1/5$

9) $d \approx 5.8 (\sqrt{34})$

10) $d = 12$

11) $d \approx 5.8 (\sqrt{34})$

12) $d \approx 8.2 (\sqrt{68})$

13) $d \approx 5.8 (\sqrt{34})$

14) $d = 10$

15) $d \approx 7.2 (\sqrt{52})$

16) $d \approx 5.1 (\sqrt{26})$

17) $(6.5, 7.5)$

18) $(9, 0)$

19) $(7.5, -8.5)$

20) $(2, -10)$

21) $(-4.5, -7.5)$

22) $(-7, -1)$

23) $(-4, 6)$

24) $(1.5, 8.5)$

25) $m = \frac{3}{4}$

26) $m = 1/8$

27) $AB \parallel EF, BC \parallel FG$

$$28) CD \perp EF, CD \perp AB$$

$$29) AB = CD = EF$$

$$30) m = -7/5$$

$$31) \angle 59.9$$

$$32) d \approx 18.9 (\sqrt{356})$$

$$33) d \approx 18.97 (\sqrt{360})$$

$$34) y = 3x - 3$$

$$35) y = -3/5x - 10 \frac{1}{5}$$

$$36) y = -3$$