

Problem Set 7 — Even Answers

2a. supplementary

b. vertical

4. $x = 8$, $DE = 50$

6. $m\angle 1 = 55^\circ$, $m\angle 2 = 55^\circ$
 $m\angle 3 = 125^\circ$

8. $x = 40$, $y = 25$, $z = 80$

10a. $-\frac{27}{64}$

b. $\frac{64}{27}$

c. $-\frac{64}{27}$

12. $-\frac{x^{12}}{8y^{21}z^{12}}$

14. $-\frac{3}{p^2} + 2x^2$

16. $3xy - 5x$

18. $\frac{x^4y^2}{4}$

20. 28

22. $x = -\frac{13}{6}$

24. $x = -\frac{19}{28}$

26. $x = \frac{11}{5}s$

28. -10

30. 4