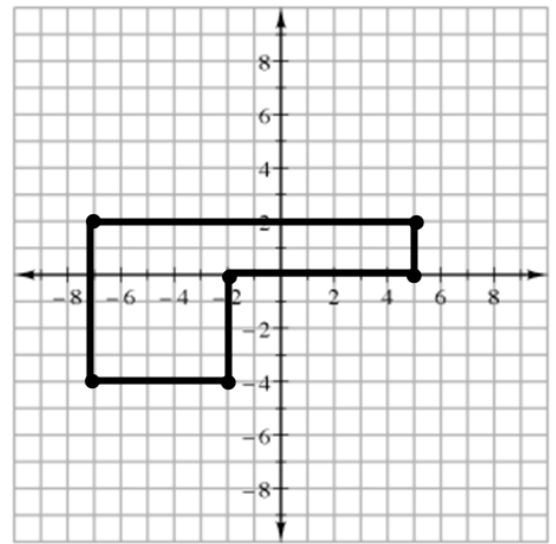


Pre-Algebra Set 20 Answers

Version 2.0

1. a) See graph to right b) 44 square units
 2. a) Proportional (*why??*) b) Not Proportional (*why??*)
 3. a) No (*why??*) b) Yes (*why??*)



- 4)
- | | | |
|----------------|-----------------|---------------|
| $\frac{2}{15}$ | | $\frac{2}{3}$ |
| $\frac{1}{5}$ | | |
| | $\frac{13}{15}$ | |
- | | | |
|-----|---|---|
| -18 | | 6 |
| -3 | | |
| | 3 | |
- | | | |
|---------------|-----------------|---------------|
| $\frac{1}{5}$ | | $\frac{4}{5}$ |
| $\frac{1}{4}$ | | |
| | $\frac{21}{20}$ | |
- | | | |
|-----|----|----|
| -12 | | -1 |
| 12 | | |
| | 11 | |

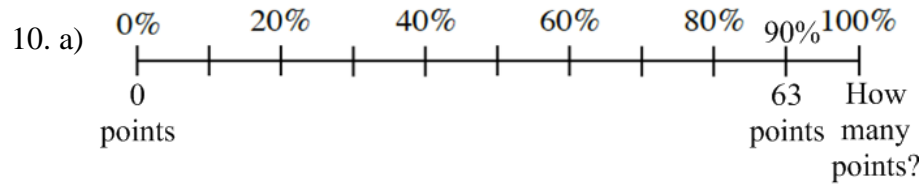
5. a) 101 m² b) 208 cm²
 6. a) 49, 52, 54, 58, 61, 61, 67, 68, 72, 73, 73, 73, 78, 82, 83
 7. a = 72, b = 50%, c = 40%

b)

$$\begin{array}{r|l} 2 & 1 \ 7 \\ 3 & 0 \ 3 \ 8 \\ 4 & 4 \ 6 \ 6 \\ 5 & \\ 6 & 2 \\ 7 & 0 \ 5 \end{array}$$

8. a) b) 44 gallons
 c) 36 gallons (*why??*)

9. a) 25% b) 3:1 or $\frac{3}{1}$



11. a) $-\frac{1}{2}$ b) $4\frac{11}{24}$

12. a) $\frac{5}{3}$ b) x = 9 m, y = 30 m

13. a) 10 feet by 15 feet
 b) Bathroom=63 sq. ft, kitchen=105 sq. ft, living room=150 sq. ft
 c) 318 ft²