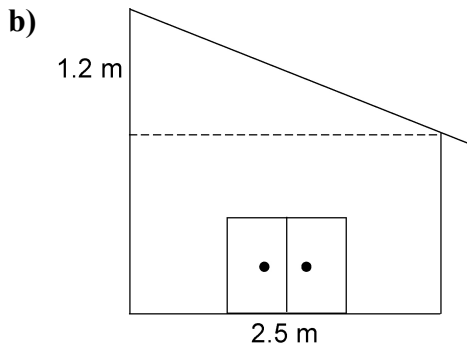
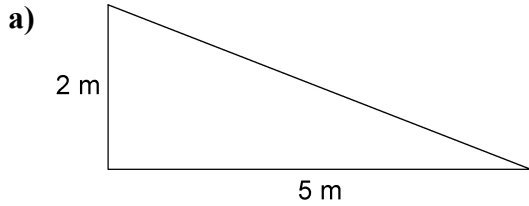
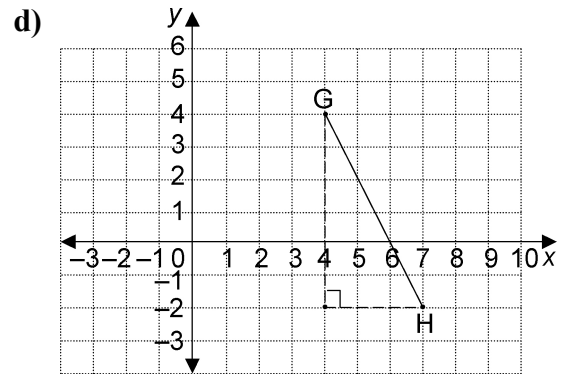
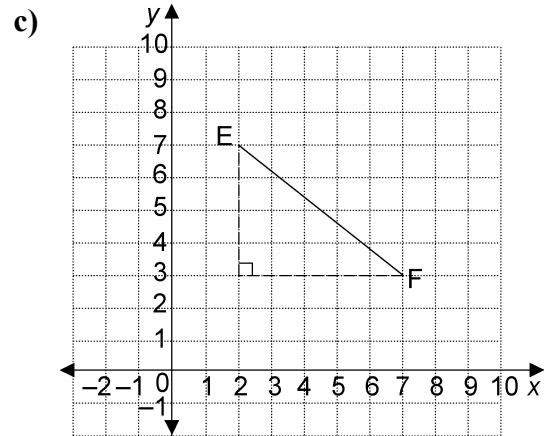
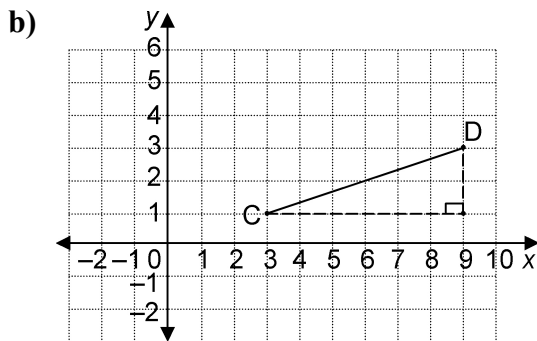
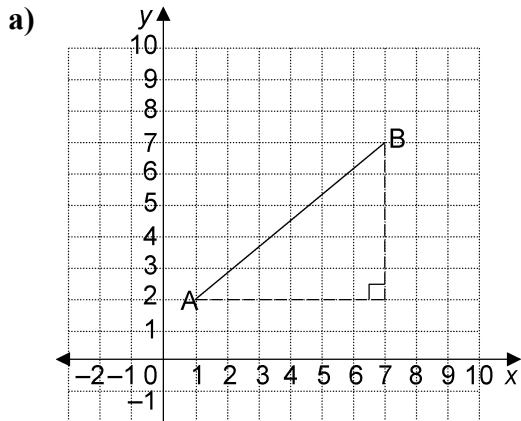


5.3 Worksheet - Slope

1. Find the slope of each object.

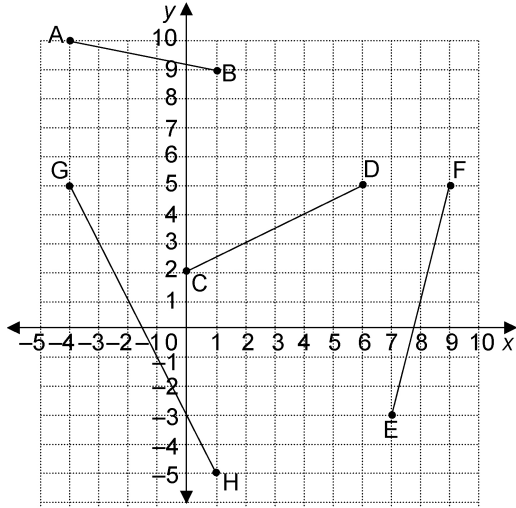


2. Find the slope of each line segment.



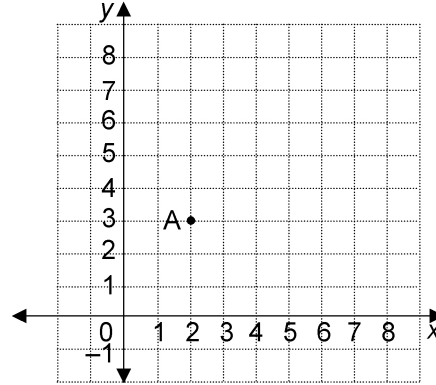
3. For safety, the slope of a staircase must be greater than 0.58 and less than 0.70. A staircase has a vertical rise of 2.4 m over a horizontal run of 3.5 m.
- Find the slope of the staircase.
 - Is the staircase safe?

4. Find the slope of each line segment.



- a) AB
- b) CD
- c) EF
- d) GH

5. Point A (2, 3) is plotted on the grid. Draw a line segment AB with slope $-\frac{1}{2}$. What are possible coordinates of B?



Answers

1. a) $-\frac{2}{5}$ b) -0.48
2. a) $\frac{5}{6}$ b) $\frac{1}{3}$ c) $-\frac{4}{5}$ d) -2
3. a) 0.69 b) Yes
4. a) $-\frac{1}{5}$ b) $\frac{1}{2}$ c) 4 d) -2
5. Answer may vary. Possible answer: B(6, 1)

