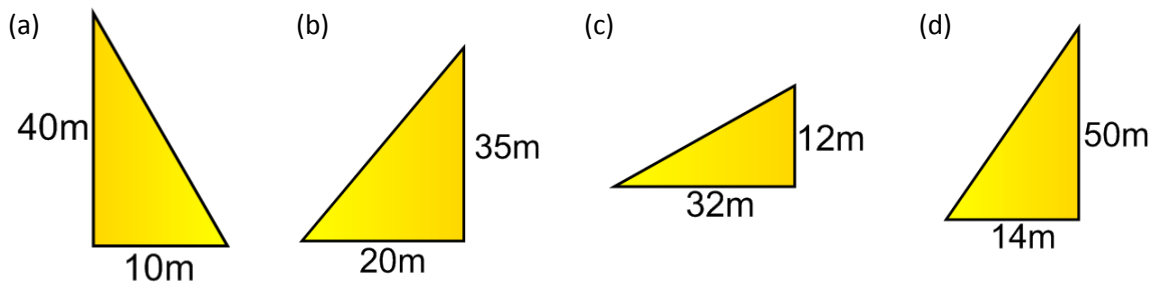# Gradient of a line
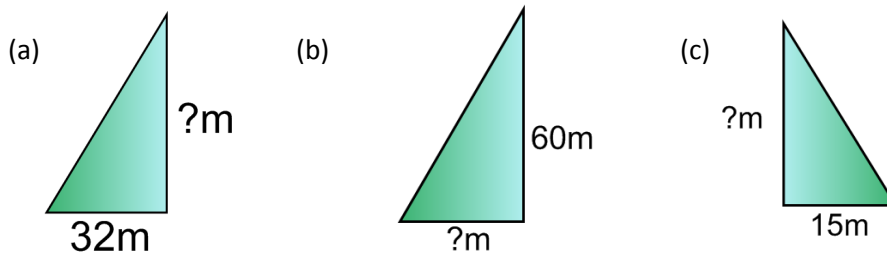
1.   Find the gradient of each slope given the vertical and horizontal distance.

Q	Vertical	Horizontal
a	50	10
b	20	4
c	120	8
d	16	10
E	80	12
f	20	40
g	25	45

2.   Which of the following have a gradient greater than 2.5?

(a)

40m

10m

(b)

35m

20m

(c)

12m

32m

(d)

50m

14m

3.   The gradient of each line shown below is 2. What is the length of the missing side?

(a)

?m

32m

(b)

60m

?m

(c)

?m

15m

4.   Write down a sentence to explain what the word gradient means.

5.   The gradient of the slope shown is 3.
        (a) Calculate the length of the missing side.
        (b) Calculate the area of the triangle shown.

90m

?m