

Fill the table in for  $y=4x-8$  for  $-3 \leq x \leq 7$

|     |    |    |    |   |   |   |   |   |   |    |   |
|-----|----|----|----|---|---|---|---|---|---|----|---|
| $x$ | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6  | 7 |
| $y$ |    |    |    |   |   | 0 |   |   |   | 16 |   |

Write 240 as a product of its prime factors.

Expand the following:

$$3(4x - 5)$$

$$5x(3x + 2)$$

$$\begin{array}{r|l|l} & 4x & -5 \\ \hline 3 & & \end{array}$$

$$\begin{array}{r|l|l} & 3x & +2 \\ \hline 5x & & \end{array}$$

Factorise the following

$$12x + 8$$

$$\underline{\hspace{1cm}} (\underline{\hspace{2cm}})$$