

**AQA – Algebra functions – A2 Mathematics P3**1. [June/2021/Paper\\_7357/3/No.2](#)

Simplify fully

$$\frac{(x+3)(6-2x)}{(x-3)(3+x)} \quad \text{for } x \neq \pm 3$$

Circle your answer.

**[1 mark]**

-2

2

$$\frac{6-2x}{x-3}$$

$$\frac{2x-6}{x-3}$$

**2. June/2021/Paper\_7357/3/No.6**

Given that  $x > 0$  and  $x \neq 25$ , fully simplify

$$\frac{10 + 5x - 2x^{\frac{1}{2}} - x^{\frac{3}{2}}}{5 - \sqrt{x}}$$

Fully justify your answer.

**[4 marks]**