

EXTRA PRACTICE

Answers

Use the distributive property

$$\textcircled{1} 3(-7-8n) = \boxed{-21-24n} \text{ or } \boxed{-24n-21}$$

$$\textcircled{2} 8(r+1) \boxed{8r+8}$$

$$\textcircled{3} -3(8-b) \boxed{-24+3b} \text{ or } \boxed{3b-24}$$

$$\textcircled{4} -2(7-2n) \boxed{-14+4n} \text{ or } \boxed{4n-14}$$

$$\textcircled{5} -8(1+5m) \boxed{-8-40m} \text{ or } \boxed{-40m-8}$$

$$\textcircled{6} 5a(a-9) \boxed{5a^2-45a}$$

$$\textcircled{7} -2c(-c-3) \boxed{2c^2+6c}$$

$$\textcircled{8} 15-4a(a-11) \boxed{15-4a^2+44a} \text{ or } \boxed{-4a^2+44a+15}$$

$$\textcircled{9} (c-9)3 \boxed{3c-27}$$

$$\textcircled{10} (r+8)5-15 \quad 5r+40-15$$

$$\boxed{5r+25}$$

# Extra PRACTICE

#4

Factor using the GCF

①  $m^5n^3 + 3m^2n^3$

②  $-9x^3 + 63x^2 - 135x$

③  $5y^2 - 45y$

④  $4y^3 + 28y^2 - 8y$

⑤  $5p^2q^2 + vpq$

⑥  $-21c^2 + 28cd$

⑦  $3x^3y^2 + 6x^4$

⑧  $8yz^2 + 28z^3 - 4z^2$