

---

**8-2 Multiplying and Factoring**

1. Multiply:

a.  $-2x^2(x - 3)$

b.  $3x(2x^2 - 4x + 5)$

c.  $-5x(x^3 - x - 2)$ 

---

2. Find the GCF of each expression:

a.  $36x - 24$

b.  $20x^2 + 35x$

c.  $-2x^3 + 4x^2 - 6x$ 

---

3. Factor out the GCF of each expression:

a.  $12x - 8$

b.  $8x^2 - 6x$

c.  $6x^3 - 16x^2 + 4x$

d.  $-6x^4 + 21x^3 + 12x^2$