

## Factor Quadratics (GCF, Perfect Squares)

Factor each completely.

$$2s^2 + 32s + 128$$

$$4g^2 - 64g + 256$$

$$5r^2 - 80r + 320$$

$$27x^2 + 144x + 192$$

$$3z^2 + 6z + 3$$

$$18g^2 - 96g + 128$$

$$18k^2 - 48k + 32$$

$$8s^2 + 8s + 2$$

## Factor Quadratics (GCF, Perfect Squares)

Factor each completely.

$$2s^2 + 32s + 128$$
$$= 2(s + 8)^2$$

$$4g^2 - 64g + 256$$
$$= 4(b - 8)^2$$

$$5r^2 - 80r + 320$$
$$= 5(r - 8)^2$$

$$27x^2 + 144x + 192$$
$$= 3(3x + 8)^2$$

$$3z^2 + 6z + 3$$
$$= 3(z + 1)^2$$

$$18g^2 - 96g + 128$$
$$= 2(3g - 8)^2$$

$$18k^2 - 48k + 32$$
$$= 2(3k - 4)^2$$

$$8s^2 + 8s + 2$$
$$= 2(2s + 1)^2$$