

1. Simplify.

a) $\sqrt{-63}$	b) $-\sqrt{-16}$	c) $5\sqrt{-24}$
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2. Use the square root property to solve the equation. Simplify your answers and leave them in exact form.

a) $x^2 = -54$	b) $(5x + 2)^2 = 10$	c) $(y - 4)^2 = -18$
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3. Add the proper constant to each binomial so that the resulting trinomial is a perfect square trinomial. Then factor the perfect square trinomial.

a) $x^2 - 6x + \underline{\hspace{2cm}}$ Factored: $\underline{\hspace{2cm}}$	b) $x^2 + 7x + \underline{\hspace{2cm}}$ Factored: $\underline{\hspace{2cm}}$	c) $x^2 + \frac{4}{3}x + \underline{\hspace{2cm}}$ Factored: $\underline{\hspace{2cm}}$
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