Imaginary Numbers

Exercises:

Simplify the following imaginary numbers.

$$1.-2i^{2}$$

$$2.(-2i)^{2}$$

$$3.-2i+3i-7i$$

$$4.-3(-2i)^{2}(3i^{2})$$

$$5.-(-i)^{5}(2i^{2})^{3}$$

$$6.5i+(-2i)^{3}(3i^{2})$$

$$7.(-7i)(-5i^{3})^{2}$$

$$8.(4i)^{2}(-4i)(-i)^{7}$$

$$9.(3i)(-2i^{3})^{2}(3i^{2})^{2}$$

$$10.(-i)^{3}(-2i^{0})^{2}(3i^{4})^{2}$$

$$11.\sqrt{-25}$$

$$12.\sqrt{\frac{-25}{100}}$$

$$13.(2i)\sqrt{-169}$$

$$14.(2i)^{2}\sqrt{\frac{-1}{25}}$$

$$15.\sqrt{-25} + \sqrt{-4} - \sqrt{-81}$$

Performance Tasks Involving Imaginary Numbers

Jacalyn Lea Lund, Mary Fortman Kirk

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