



Math worksheet on 'Complex Numbers - Rectangular Form to Modulus and Argument (Degrees) (Level 1)'. Part of a broader unit on 'Complex Numbers'

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1 Find the modulus and argument (r, θ) in degrees of this complex number

$$-6 - 6i$$

a (4, 360°)

b (8.5, 225°)

c (6.3, 198°)

d (5.7, 225°)

e $(5.7, 135^\circ)$

f (4.1, 194°)

2 Find the modulus and argument (r, θ) in degrees of this complex number

$$-6 + 4i$$

a (7.2, 146°) **b** (6.4, 39°)

c (4.2, 45°) **d** (6.3, 198°)

e (5.4, 22°) **f** (6.1, 171°)

3 Find the modulus and argument (r, θ) in degrees of this complex number

$$5 - 6i$$

a (10, 307°) **b** (6.7, 63°)

c (4, 270°) **d** (7.8, 310°)

e (6.1, 99°) **f** (2, 270°)

4 Find the modulus and argument (r, θ) in degrees of this complex number

$$3 + 2i$$

a (3, 360°) **b** (2.2, 27°)

c (3.6, 304°) **d** (3.6, 34°)

e (4.2, 315°) **f** (2.8, 315°)

5 Find the modulus and argument (r, θ) in degrees of this complex number

$$-5 + 5i$$

a (5.1, 169°) **b** (5, 360°)

c (7, 360°) **d** (7.1, 135°)

e (6.4, 141°) **f** (6.1, 171°)

6 Find the modulus and argument (r, θ) in degrees of this complex number

$$4 - 3i$$

a (5, 217°) **b** (5.4, 338°)

c (5, 323°) **d** (8.6, 216°)

e (7.8, 220°) **f** (5.7, 315°)

7 Find the modulus and argument (r, θ) in degrees of this complex number

$$-5 - 6i$$

a (5.4, 292°) **b** (4, 270°)

c (6.7, 207°) **d** (5, 233°)

e (7.8, 230°) **f** (5, 323°)