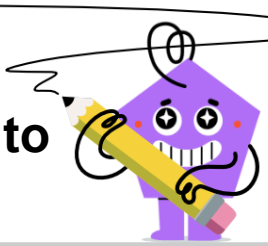
Name

Complex Numbers - Rectangular Form to Polar Form (Radians)



1 Find the polar form in radians of this complex number

$-5 + 4i$

A. $4.8(cos(0.2\pi\ rad) + i \cdot sin(0.2\pi\ rad))$

B. $6.4(cos(0.8\pi\ rad) + i \cdot sin(0.8\pi\ rad))$

C. $5(cos(0.2\pi\ rad) + i \cdot sin(0.2\pi\ rad))$

D. $6.7(cos(0.1\pi\ rad) + i \cdot sin(0.1\pi\ rad))$

E. $4.1(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$

F. $5(cos(0.1\pi\ rad) + i \cdot sin(0.1\pi\ rad))$

2 Find the polar form in radians of this complex number

$3 - 4i$

A. $10.1(cos(1.8\pi\ rad) + i \cdot sin(1.8\pi\ rad))$

B. $9(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad))$

C. $4.2(cos(1\frac{11}{18}\pi\ rad) + i \cdot sin(1\frac{11}{18}\pi\ rad))$

D. $7.7(cos(1.6\pi\ rad) + i \cdot sin(1.6\pi\ rad))$

E. $6.4(cos(1.6\pi\ rad) + i \cdot sin(1.6\pi\ rad))$

F. $5(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad))$

3 Find the polar form in radians of this complex number

$-6 - 6i$

A. $8.5(cos(1.3\pi\ rad) + i \cdot sin(1.3\pi\ rad))$

B. $6.6(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad))$

C. $10(cos(1.8\pi\ rad) + i \cdot sin(1.8\pi\ rad))$

D. $9.3(cos(1.9\pi\ rad) + i \cdot sin(1.9\pi\ rad))$

E. $6.2(cos(1.9\pi\ rad) + i \cdot sin(1.9\pi\ rad))$

F. $8.4(cos(1.9\pi\ rad) + i \cdot sin(1.9\pi\ rad))$

4 Find the polar form in radians of this complex number

$3 - 5i$

A. $10(cos(1.6\pi\ rad) + i \cdot sin(1.6\pi\ rad))$

B. $10.2(cos(0.4\pi\ rad) + i \cdot sin(0.4\pi\ rad))$

C. $10(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$

D. $5.8(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad))$

E. $11.4(cos(1.6\pi\ rad) + i \cdot sin(1.6\pi\ rad))$

F. $8(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$

5 Find the polar form in radians of this complex number

$-5 + 2i$

A. $10.8(cos(0.2\pi\ rad) + i \cdot sin(0.2\pi\ rad))$

B. $8.2(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$

C. $5.8(cos(0.2\pi\ rad) + i \cdot sin(0.2\pi\ rad))$

D. $5.4(cos(0.9\pi\ rad) + i \cdot sin(0.9\pi\ rad))$

E. $10.1(cos(0.2\pi\ rad) + i \cdot sin(0.2\pi\ rad))$

F. $6(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$

6 Find the polar form in radians of this complex number

$2 + 2i$

A. $2(cos(2\pi\ rad) + i \cdot sin(2\pi\ rad))$

B. $2(cos(\frac{1}{6}\pi\ rad) + i \cdot sin(\frac{1}{6}\pi\ rad))$

C. $2.8(cos(0.3\pi\ rad) + i \cdot sin(0.3\pi\ rad))$

D. $1.2(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad))$

E. $1.2(cos(1.3\pi\ rad) + i \cdot sin(1.3\pi\ rad))$

F. $2.3(cos(1\frac{2}{3}\pi\ rad) + i \cdot sin(1\frac{2}{3}\pi\ rad))$

7 Find the polar form in radians of this complex number

$-5 - 6i$

A. $7.2(cos(1.8\pi\ rad) + i \cdot sin(1.8\pi\ rad))$

B. $9.5(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad))$

C. $7.8(cos(1\frac{5}{18}\pi\ rad) + i \cdot sin(1\frac{5}{18}\pi\ rad))$

D. $9.5(cos(0.4\pi\ rad) + i \cdot sin(0.4\pi\ rad))$

E. $8.1(cos(1.5\pi\ rad) + i \cdot sin(1.5\pi\ rad))$

F. $12.6(cos(\frac{1}{3}\pi\ rad) + i \cdot sin(\frac{1}{3}\pi\ rad))$

8 Find the polar form in radians of this complex number

$2 - 3i$

A. $3.2(cos(1.4\pi\ rad) + i \cdot sin(1.4\pi\ rad))$

B. $4(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad))$

C. $3.1(cos(1.8\pi\ rad) + i \cdot sin(1.8\pi\ rad))$

D. $3.6(cos(1.9\pi\ rad) + i \cdot sin(1.9\pi\ rad))$

E. $3.1(cos(0.4\pi\ rad) + i \cdot sin(0.4\pi\ rad))$

F. $3.6(cos(1.7\pi\ rad) + i \cdot sin(1.7\pi\ rad))$