

Simplifying Negative Radicals

Simplify

1 $\sqrt{-9}$

2 $\sqrt[3]{-8}$

3 $3 + \sqrt{-12}$

4 $2 + \sqrt{-16}$

5 $\sqrt{36} + \sqrt{-169}$

6 $\sqrt{-128}$

7 $-2\sqrt{-25}$

8 $\sqrt[12]{-90}$

9 $-k\sqrt{-48}$

10 $\frac{4 - \sqrt{-36}}{4}$

11 $\frac{64 - \sqrt{-4}}{2}$

12 $\sqrt{-625}$

13 $\sqrt[3]{-64}$

14 $\sqrt{-147}$

15 $\sqrt{-72}$

Simplifying Negative Radicals

Answers

1 $\sqrt{-9}$

2 $\sqrt[3]{-8}$

3 $3 + \sqrt{-12}$

$3i$

-2

$3 + 2\sqrt{3}i$

4 $2 + \sqrt{-16}$

5 $\sqrt{36} + \sqrt{-169}$

6 $\sqrt{-128}$

$2 + 4i$

$6 + 13i$

$i\sqrt{128}$

7 $-2\sqrt{-25}$

8 $\sqrt[12]{-90}$

9 $-k\sqrt{-48}$

$-10i$

$\sqrt[12]{-1} \sqrt[12]{90}$

$-k4i\sqrt{3}$

10 $\frac{4 - \sqrt{-36}}{4}$

11 $\frac{64 - \sqrt{-4}}{2}$

12 $\sqrt{-625}$

$1 - \frac{3}{2}i$

$32 - i$

$25i$

13 $\sqrt[3]{-64}$

14 $\sqrt{-147}$

15 $\sqrt{-72}$

-4

$7i\sqrt{3}$

$6i\sqrt{2}$