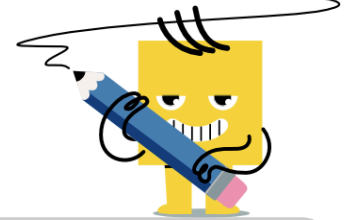




## Complex Numbers - Rewriting Roots



<p><b>1</b> Rewrite the root as a complex number and simplify all radicals</p> $\sqrt{-75c^4}$	<p>A</p> $5c^2i\sqrt{3}$	<p>B</p> $2ci\sqrt{2}$	<p>C</p> $2c^2i$	<p><b>2</b> Rewrite the root as a complex number and simplify all radicals</p> $\sqrt{-44p^3}$	<p>A</p> $pi\sqrt{13p^3}$	<p>B</p> $p^2i\sqrt{9p^3}$
	<p>D</p> $3c^4i$	<p>E</p> $5ci\sqrt{3}$	<p>F</p> $ci\sqrt{2}$		<p>C</p> $pi\sqrt{12p}$	<p>D</p> $pi\sqrt{9p}$
					<p>E</p> $2pi\sqrt{11p}$	<p>F</p> $3pi\sqrt{13p}$
<p><b>3</b> Rewrite the root as a complex number and simplify all radicals</p> $\sqrt{-12z^2}$	<p>A</p> $2zi\sqrt{3}$	<p>B</p> $3zi\sqrt{3}$	<p>C</p> $z^2i\sqrt{2}$	<p><b>4</b> Rewrite the root as a complex number and simplify all radicals</p> $\sqrt{-32d^3}$	<p>A</p> $7d^2i\sqrt{d^3}$	<p>B</p> $5d^3i\sqrt{d}$
	<p>D</p> $2z^2i\sqrt{5}$	<p>E</p> $4z^2i\sqrt{4}$	<p>F</p> $zi\sqrt{5}$		<p>D</p> $3di\sqrt{2d}$	<p>E</p> $4d^3i\sqrt{d}$
					<p>F</p> $6d^3i\sqrt{2d}$	
<p><b>5</b> Rewrite the root as a complex number and simplify all radicals</p> $\sqrt{-80p^2}$	<p>A</p> $4pi\sqrt{5}$	<p>B</p> $2pi$	<p>C</p> $2pi\sqrt{4}$	<p><b>6</b> Rewrite the root as a complex number and simplify all radicals</p> $\sqrt{-20n^4}$	<p>A</p> $ni\sqrt{7}$	<p>B</p> $5n^4i\sqrt{3}$
	<p>D</p> $3pi\sqrt{6}$	<p>E</p> $p^3i\sqrt{4}$	<p>F</p> $3pi$		<p>D</p> $3n^2i\sqrt{5}$	<p>E</p> $ni\sqrt{8}$
					<p>F</p> $n^2i\sqrt{4}$	
<p><b>7</b> Rewrite the root as a complex number and simplify all radicals</p> $\sqrt{-20b^4}$	<p>A</p> $bi\sqrt{5}$	<p>B</p> $2b^2i\sqrt{5}$	<p>C</p> $5b^3i\sqrt{4}$	<p><b>8</b> Rewrite the root as a complex number and simplify all radicals</p> $\sqrt{-80b^4}$	<p>A</p> $b^2i\sqrt{6}$	<p>B</p> $4b^2i\sqrt{5}$
	<p>D</p> $bi\sqrt{6}$	<p>E</p> $b^4i\sqrt{4}$	<p>F</p> $5bi\sqrt{6}$		<p>D</p> $7b^4i\sqrt{7}$	<p>E</p> $3bi\sqrt{3}$
					<p>F</p> $6bi\sqrt{6}$	