Name : _____

Conjugate of Complex Numbers

Write the conjugate of each complex number.

1) $4 + 9i$

2) $-\dfrac{3}{8} - \dfrac{i}{5}$

3) $6 - \sqrt{-7}$

_____   _____   _____

4) $-4i + 13$

5)

6) $\sqrt{-3}$

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7) $\sqrt{3} - \sqrt{6}\,i$

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10) If $z = 13 - 5i$,

   a) $13 + 5i$

   d) $-13 - 5i$

11) If $\overline{\overline{z}} = \dfrac{1}{2} + i$, then $z - z$ is

   a) $2i$ b) -1 c) $-2i$ d) 1

12) If $z = \sqrt{-2}$, then the real part of the complex number z is

   a) $-\sqrt{2}$ b) 0 c) 2 d) $\sqrt{2}$