Nature of the Roots

Use the discriminant to find the nature of the roots.

1)
$$3w^2 + 2 = -5w$$

2)
$$b^2 + 7 = 4b + 1$$

3)

Preview

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5)

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7)
$$h^2 + 6h = 2h - 4$$

8)
$$2(u^2 - u) - 3u = -8$$