A2.A.13: Simplify radical expressions

1. 080125a, P.I. A2.A.13

    Simplify: $\sqrt{50r^2 s^4}$

2. 010422a, P.I. A2.A.13

    If a > 0, then $\sqrt{9a^2 + 16a^2}$ equals

    [A] $5\sqrt{a}$ [B] $\sqrt{7a}$ [C] $5a$ [D] $7a$

A2.A.13: Simplify radical expressions

[2] $5rs^2\sqrt{2}$, and appropriate work is shown.
[1] A partially correct answer is found, such
as $5r\sqrt{2s^4}$ or $5s^2\sqrt{2r^2}$, and appropriate work
is shown.
or [1] $7.07rs^2$, but appropriate work is shown.
or [1] $5rs^2\sqrt{2}$, but no work is shown.
[0] A zero response is completely incorrect,
irrelevant, or incoherent or is a correct
response that was obtained by an obviously

[1]   incorrect procedure.

[2]   C