Math worksheet on *'Radicals - Addition Under Squared Radical Times Integer To Radical (Level 2)'*. Part of a broader unit on *'Radicals - Simplifying Intro'*

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1 Simplify the radical.

$$5\sqrt{385-42}$$

a	b	c	d	e	f
$35\sqrt{3}$	$33\sqrt{5}$	$33\sqrt{10}$	$35\sqrt{7}$	$33\sqrt{3}$	$36\sqrt{9}$

2 Simplify the radical.

$$2\sqrt{565-117}$$

a	b	c	d	e	f
$16\sqrt{7}$	$18\sqrt{5}$	$18\sqrt{7}$	$18\sqrt{6}$	$18\sqrt{9}$	$19\sqrt{3}$

3 Simplify the radical.

$$5\sqrt{38+34}$$

a	b	c	d	e	f
26	29	27	$30\sqrt{2}$	$29\sqrt{5}$	30

4 Simplify the radical.

$$2\sqrt{256-56}$$

a	b	c	d	e	f
20	22	$19\sqrt{5}$	$20\sqrt{2}$	19	16

5 Simplify the radical.

$$3\sqrt{354-79}$$

a	b	c	d	e	f
$16\sqrt{12}$	$11\sqrt{13}$	$15\sqrt{11}$	$11\sqrt{12}$	$14\sqrt{11}$	$16\sqrt{10}$

6 Simplify the radical.

$$2\sqrt{35-3}$$

a	b	c	d	e	f
$8\sqrt{2}$	7	8	$6\sqrt{2}$	$10\sqrt{2}$	11

7 Simplify the radical.

$$3\sqrt{6+39}$$

a	b	c	d	e	f
$9\sqrt{5}$	$10\sqrt{5}$	$11\sqrt{2}$	$9\sqrt{7}$	$6\sqrt{6}$	5